



# Two-Door Cabinet with Drawer

Free Plans to build a Two-Door Cabinet.



## Materials and Tools

### MATERIALS:

- 1-1/4" pocket hole screws
- 2-1/2" pocket hole screws
- 1-1/4" brad nails
- Edge banding, optional
- 2 sets of hinges
- 3 cabinet pulls
- 1 set of 18" drawer slides
- Wood glue
- Sandpaper (100, 150, 220 grits)
- Finishing supplies (primer & paint, or stain, sealer)

### Lumber:

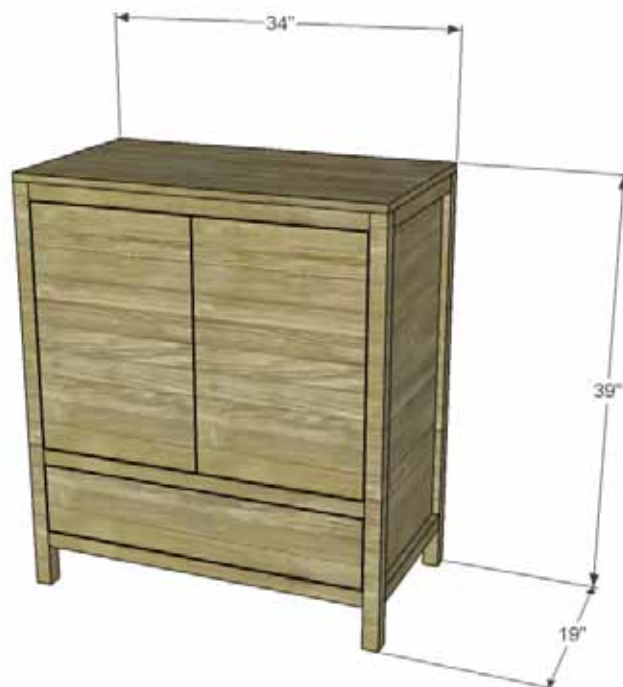
- 3 - 4' x 4' x 3/4" PureBond plywood project panel
- 1 - 2' x 4' x 3/4" PureBond plywood project panel
- 1 - 4' x 4' x 1/4" PureBond plywood project panel (Mahogany was used for the example)
- 2 - 1x6 lumber at 4'

### Tools:

- Jigsaw, table saw, miter saw, or hand saw
- Pocket hole jig
- Brad nailer
- Drill
- Pencil, ruler, square
- Tape measure
- Sander
- Iron for edge banding
- Edge banding trimmer or craft knife

### Cut List:

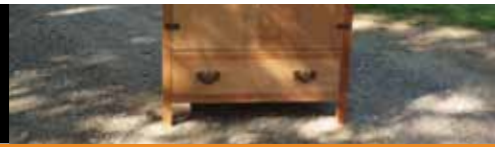
- 8 - 3/4" PureBond Plywood project panel at 1-1/2" x 38-1/4" - Legs
- 8 - 3/4" PureBond Plywood project panel at 1-1/2" x 16" - Side Frames
- 2 - 3/4" PureBond Plywood project panel at 16" x 31-1/4" - Side Panels
- 10 - 3/4" PureBond Plywood project panel at 1-1/2" x 31" - Front & Back Stretchers
- 2 - 3/4" PureBond Plywood project panel at 17-1/2" x 31" - Shelves
- 1 - 3/4" PureBond Plywood project panel at 19" x 34" - Top
- 1 - 1/4" PureBond Plywood project panel at 32-1/2" x 34-5/8" - Back
- 1 - 3/4" PureBond Plywood project panel at 16-1/2" x 28-1/2" - Drawer Box Bottom
- 2 - 1x6 at 16-1/2" - Drawer Box Sides
- 2 - 1x6 at 30" - Drawer Box Front & Back
- 1 - 3/4" PureBond Plywood project panel at 6-1/2" x 30-3/4" - Drawer Front
- 2 - 3/4" PureBond Plywood project panel at 15-5/16 x 22-3/4" - Doors



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## STEP 1

### Notes:

*Edge banding will be applied to the exposed edges of the plywood prior to assembly.*

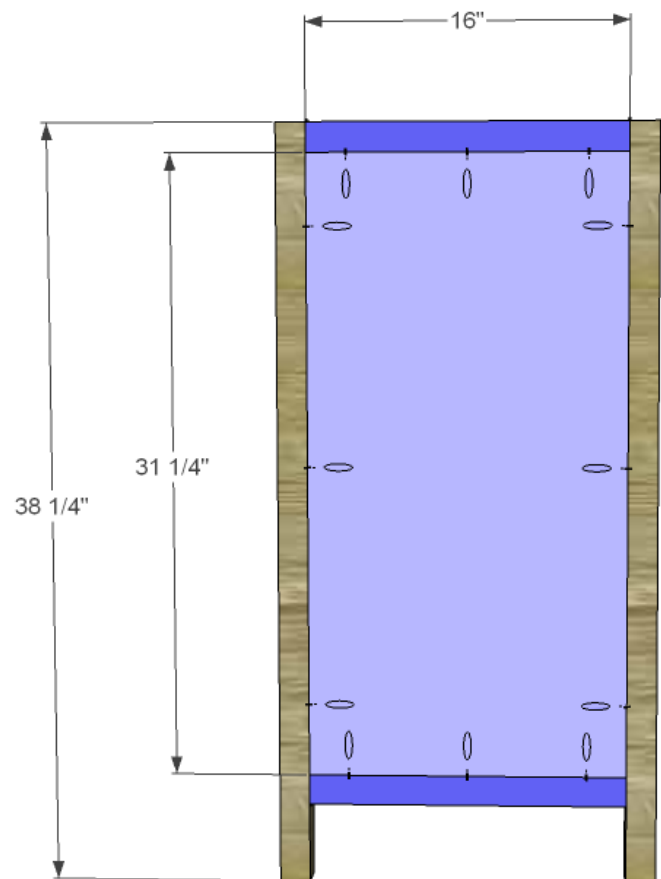
Cut the pieces for the legs. There will be eight pieces cut, and they will be laminated together in pairs to form the leg. Spread glue on the face of one piece then layer the next piece on top. Wiggle it a little to create suction then secure together with 1-1/4" brad nails. When dry, apply edge banding to the exposed edges of the legs then trim the excess banding away.

The side frame pieces and stretchers will be constructed in the same manner.

## STEP 2

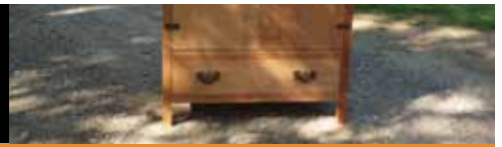
Cut the pieces for the side frames and the side panels. With the pocket hole jig set for 1-1/2" material, drill pocket holes in each end of the frame pieces. Secure the pieces to the legs using glue and 2-1/2" pocket hole screws.

Set the pocket hole jig for 3/4" material and drill pocket holes in all four edges of the panels. Insert the panels into the side frames and secure using glue and 1-1/4" pocket hole screws. The back face of the panels will be flush with the back face of the side frames.



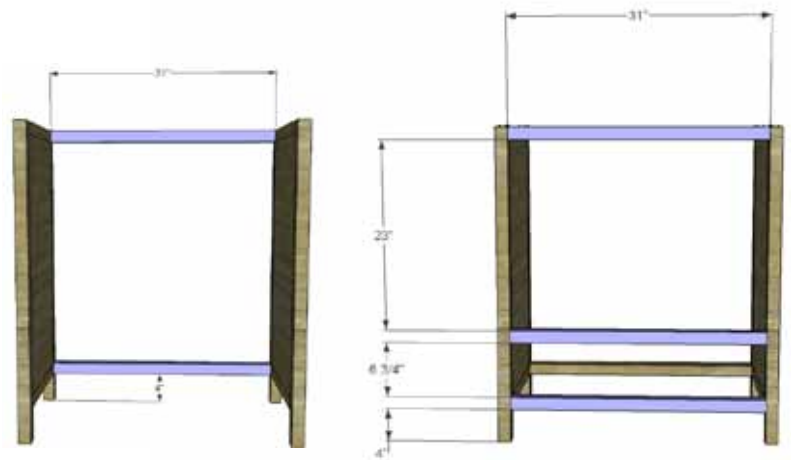


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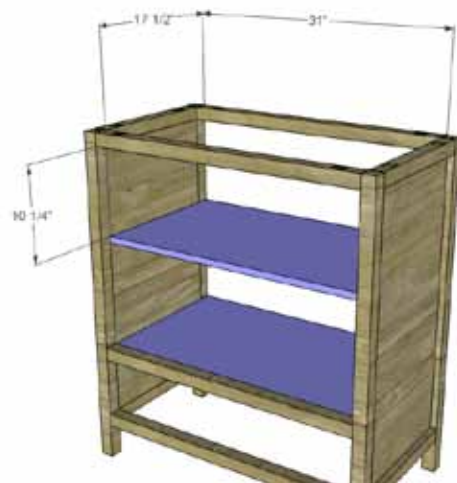
## STEP 3

Cut the pieces for the front and back stretchers. Set the pocket hole jig for 1-1/2" material and drill pocket holes in each end. Secure the stretchers to the legs using glue and 2-1/2" pocket hole screws.



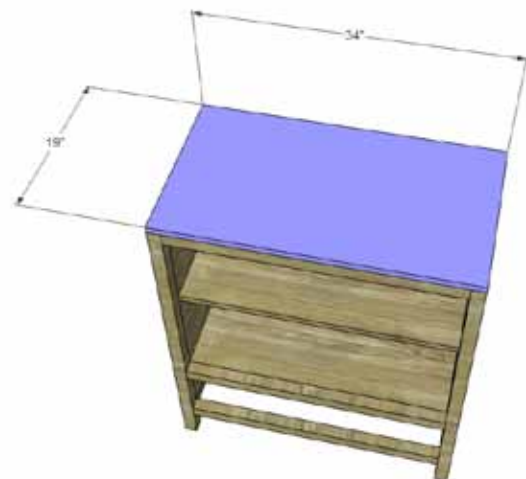
## STEP 4

Cut the pieces for the shelves. Set the pocket hole jig for 3/4" material and drill pocket holes in the sides and one long edge of the one piece, and each shorter edge of the other piece. Secure the lower shelf to the sides and middle stretcher using glue and 1-1/4" pocket hole screws. The top face of the shelf will be flush with the top face of the middle stretcher. Secure the upper shelf to the sides as shown using glue and 1-1/4" pocket hole screws.



## STEP 5

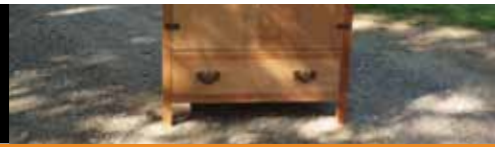
Cut the pieces for the top. The top will be flush with the cabinet on all sides. Secure to the cabinet using glue and 1-1/4" brad nails.





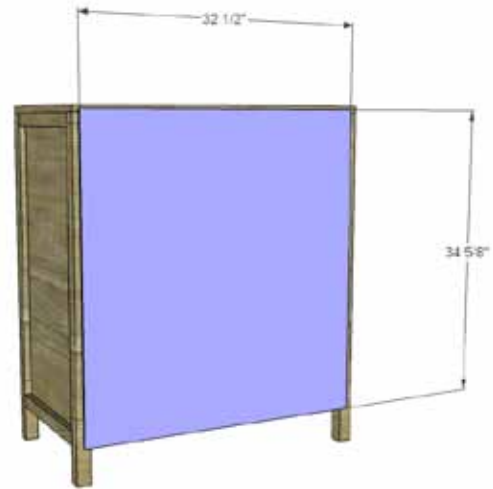


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## STEP 6

Cut the piece for the back. Center it on the back side of the cabinet and secure in place using glue and 1-1/4" brad nails. Add a few nails through the back into the shelves for further security. A different species of PureBond plywood can be used for contrast!

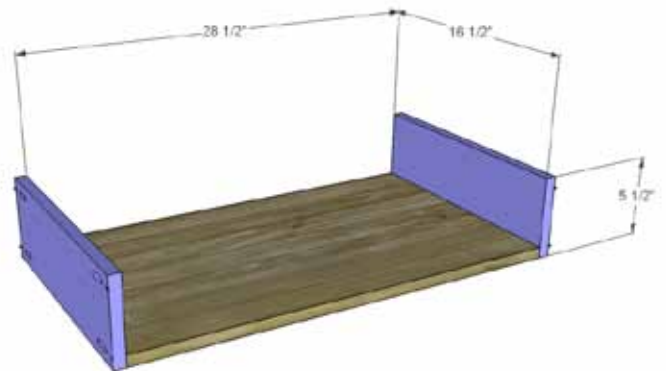


## STEP 7

Cut the pieces for the drawer box. Drill pocket holes in each end of the side pieces as well as all four edges of the bottom. Secure the sides to the bottom using glue and 1-1/4" pocket hole screws.

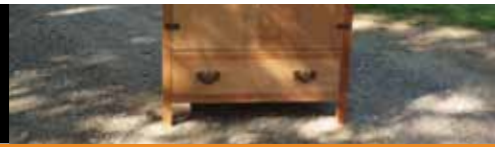
Secure the front and back pieces to the sides and bottom using glue and 1-1/4" pocket hole screws.

Install the drawer slides according to the manufacturer's installation instructions locating them 3/4" back from the front edge to accommodate the inset drawer front.



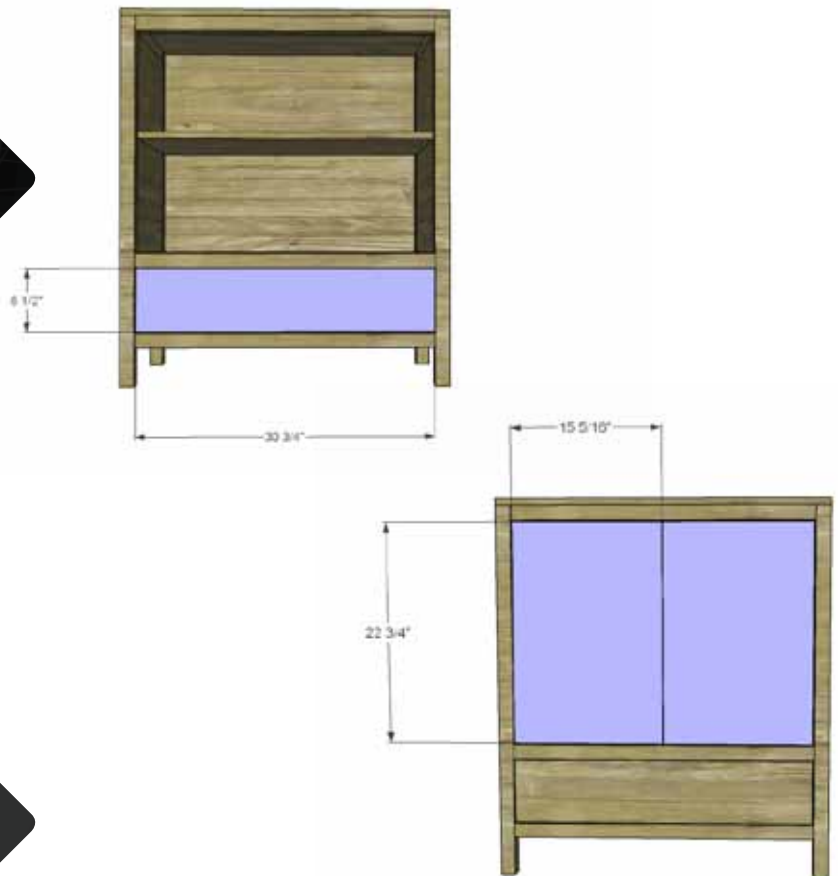


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## STEP 8

Cut the pieces for the drawer front. Mark the position for the cabinet pulls then drill the holes for them. There will be a 1/8" gap around all sides of the drawer fronts in the openings. Shim the drawer front in place, then drive a screw in each hole for the cabinet pull into the drawer box. Open the drawer, then secure the front to the drawer box using 1-1/4" screws from the inside. Remove the screws from the holes drilled for the cabinet pulls, then finish drilling the holes. Install the cabinet pulls.



## STEP 9

Cut the pieces for the doors. Install the hinges on the doors, then install the doors in the cabinet. There will be a 1/8" gap at the sides, top, and bottom of the doors in the opening as well as in between them. Install the cabinet pulls. Finish as desired.



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